



United Kingdom of Great Britain and Northern Ireland

EDICT OF GOVERNMENT

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BS NA EN 1996-2 (2006) (English): UK National
Annex to Eurocode 6. Design of masonry
structures. Design considerations, selection of
materials and execution of masonry

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MAGNA CARTA (1297)

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NATIONAL ANNEX

**UK National Annex to
Eurocode 6: Design of
masonry structures –**

**Part 2: Design considerations, selection
of materials and execution of masonry**

ICS 91.010.30; 91.080.30

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National Annex (informative) to BS EN 1996-2:2006, Eurocode 6: Design of masonry structures – Part 2: Design considerations, selection of materials and execution of masonry

Introduction

This National Annex has been prepared by BSI Subcommittee B/525/6, *Use of masonry*. It is to be used in conjunction with BS EN 1996-2:2006.

NA.1 Scope

This National Annex gives:

- a) decisions for the Nationally Determined Parameters described in the following subclauses of BS EN 1996-2:2006:
 - 2.3.4.2(2)** spacing of movement joints;
 - 3.5.3.1(1)** pointing.
- b) decisions on the use of informative Annexes A to C (see **NA.3**);
- c) references to non-contradictory complementary information to assist the user to apply BS EN 1996-2:2006 (see **NA.4**).

NA.2 Nationally Determined Parameters

NA.2.1 Spacing of movement joints

[see BS EN 1996-2:2006, **2.3.4.2(2)**]

The maximum horizontal distance, l_m , between vertical movement joints in external unreinforced non-loadbearing walls is given in Table NA.1.

Table NA.1 **Maximum horizontal distance, l_m , between vertical movement joints in external unreinforced non-loadbearing walls**

Type of masonry	l_m m
Clay masonry	15 ^{A)}
Calcium silicate masonry	9 ^{B)}
Aggregate concrete and manufactured stone masonry	9 ^{B)}
Autoclaved aerated concrete masonry	9 ^{B)}
Natural stone masonry	20 ^{C)}
^{A)} The value for masonry walls containing bed joint reinforcement may be increased subject to expert advice. ^{B)} This value applies when the ratio, length to height of panel, is 3 to 1 or less. It should be reduced for masonry walls having a length to height ratio greater than 3. ^{C)} When using this figure, movement joints should be located at not more than 8 m from the corner.	

NA.2.2 Pointing [see BS EN 1996-2:2006, 3.5.3.1(1)]

The minimum depth of pointing, d_p , for internal and external masonry is 15 mm for walls of thickness of 90 mm or greater. Walls of thickness less than 90 mm should not be raked out and pointed.

NA.3 Decisions on the status of the informative annexes

BS EN 1996-2:2006 informative Annex A may be used.

Informative Annexes B and C should not be used.

NA.4 References to non-contradictory complementary information [see BS EN 1996-2:2006, 1.1(2), 2.3.1(1), 3.4(3)]

PD XXXX: 200Y, TITLE, [a standard comprising complementary and non-contradictory material taken from BS 5628-1, BS 5628-2 and BS 5628-3] ¹⁾

Morton J. *Designers' guide to EN 1996-1-1 Eurocode 6: Design of masonry structures – Common rules for reinforced and unreinforced masonry structures* ¹⁾ London: Thomas Telford Ltd.

Manual for the design of plain masonry building structures to Eurocode 6 ¹⁾ London: Institution of Structural Engineers

EUROCODE 6 HANDBOOK ¹⁾ London: Department of Communities and Local Government

Eurocode for Masonry, BS EN 1996: *Guidance and Worked Examples* ¹⁾ Surrey: British Masonry Society

¹⁾ In preparation.

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